

**Mississippi River Research Consortium**  
**38<sup>th</sup> Annual Meeting Program**  
Radisson, La Crosse, Wisconsin

SCHEDULE OF EVENTS AND LOCATIONS

**27 APRIL 2006 – THURSDAY**

8:30 AM Registration (Ballroom Foyer)  
8:40 AM Platform Presentations Sessions I and II (Ballroom A)  
11:50 AM Lunch (On your own)  
1:30 PM Platform Presentations Sessions III and IV (Ballroom A)  
3:50 PM Poster Presentations and Social (Ballroom Foyer)  
6:00 PM Banquet (Ballroom B)

**28 APRIL 2006 – FRIDAY**

8:00 AM Registration (Ballroom Foyer)  
8:10 AM Platform Presentation Sessions V, VI, and VII (Ballroom A)  
9:50 AM Middle & High School Student Poster (Ballroom Foyer)  
11:00 AM Business Meeting (Ballroom A)  
NOON Lunch and Raffle (Ballroom B)

**Platform Program**

**Thursday April 27**

8:30 – 8:40 AM Welcome and Announcements, Michael Delong MRRC President

**SESSION I – SEDIMENTS, NUTRIENTS, ALGAE AND ZOOPLANKTON**  
(Moderator: Michael Delong)

8:40 – 9:00 AM SEDIMENTATION CORRELATED TO POOL-WIDE  
DRAWDOWN ON THE UPPER MISSISSIPPI RIVER. Jonathan W.  
Petersen and Corby Lewis

9:00 – 9:20 AM FACTORS AFFECTING N<sup>15</sup> FOR TERRESTRIAL AND INSTREAM  
SEDIMENTS. R. Theregowda, and A. N. Papanicolaou

9:20 – 9:40 AM NUTRIENTS, CHLOROPHYLL, AND SUSPENDED SOLIDS IN  
THE UPPER MISSISSIPPI RIVER: TEMPORAL AND SPATIAL  
VARIABILITY. Jeffrey N. Houser, Brian R. Gray, and James T.  
Rogala

9:40 – 10:00 AM EFFECTS OF MESH SIZE ON DENSITY ESTIMATES OF  
COPEPODS, CLADOCERANS, AND ROTIFERS. Alex P. Levchuk,  
John H. Chick, Kim A. Medley, John E. Havel, Jeff D. Jack.

10:00 – 10:20 AM TRANSPORTED ORGANIC MATTER IN A FLOODPLAIN RIVER:  
EVIDENCE OF HYDROLOGICAL CONTROLS ON TROPHIC  
DYNAMICS. Michael D. Delong

**SESSION II – TURTLES** (Moderator – John Tucker)

10:20 – 10:40 AM COMMON SNAPPING TURTLE (CHELYDRA SERPENTINA)  
DEMOGRAPHICS. John K. Tucker

10:40 – 11:00 AM BREAK

**KEYNOTE PRESENTATION**

11:00 – 11:50 AM LEARNING, BELIEVING, AND THE RELEVANCE OF RIVER  
SCIENCE. Dr. Ken S. Lubinski, USGS Upper Midwest Environmental  
Science Center and The Nature Conservancy

11:50 – 1:30 PM LUNCH (on your own)

**SESSION III – MUSSELS** (Moderator: Steve Zigler)

1:30 – 1:50 PM MUSSEL SURVEYS AT SIX SITES ON THE SOUTH FORK OF  
THE ZUMBRO RIVER, ROCHESTER, OLMSTED CO., MN, JULY  
AND SEPTEMBER 2006. Marian E. Havlik

1:50 – 2:10 PM LATERAL DISTRIBUTION OF UNIONID MUSSELS IN  
SHALLOW CHANNEL BORDER HABITAT OF POOL 19,  
MISSISSIPPI RIVER. Jeffrey M. Stepping, Richard V. Anderson, and  
Benjamin G. Kirgan

2:10 – 2:30 PM EXPLORATORY STATISTICAL AND SPATIAL MODELS OF  
UNIONID MUSSEL DISTRIBUTIONS IN A REACH OF THE  
UPPER MISSISSIPPI RIVER. Steven J. Zigler, Teresa J. Newton, Jeff  
J. Steuer, Michelle R. Bartsch, and Jennie S. Sauer

2:30 – 2:50 PM BREAK

**SESSION IV – VEGETATION, FORESTS, & SYSTEM GOALS** (Moderator: Thad Cook)

2:50 – 3:10 PM SUBMERSED AQUATIC VEGETATION DISTRIBUTION OF THE  
UPPER ILLINOIS RIVER. Thad R. Cook and Mike A. McClelland

3:10 – 3:30 PM RADIAL GROWTH RELATIONSHIPS OF QUERCUS SPP. AND  
FRAXINUS PENNSYLVANICA TO FLOODING IN THE LOWER  
KASKASKIA RIVER, SOUTHERN ILLINOIS, USA. Susan P.  
Romano, James J. Zaczek, David J. Gibson, Sara G. Baer, and Karl W.  
J. Williard

3:30 – 3:50 PM GOALS AND OBJECTIVES FOR CONDITION OF THE UPPER  
MISSISSIPPI RIVER ECOSYSTEM. Daniel B. Wilcox, David L.  
Galat, C.H. Theiling and K.S. Lubinski

3:50 – 5:50 PM POSTER SESSION

6:00 – 8:00 PM BANQUET

**Friday April 28**

8:00 – 8:10 AM Morning Welcome and Announcements

**SESSION V – FISH** (Moderator: John Chick)

8:10 – 8:30 AM PREFERRED HABITATS OF SLIMY AND MOTTLED SCULPIN  
IN COLDWATER TRIBUTARIES OF THE UPPER MISSISSIPPI  
RIVER, SOUTHEASTERN MINNESOTA. Neal Mundahl, Kristin  
Nelson, Michael Harnung, and Sarah Hach

8:30 – 8:50 AM HABITAT CHANGES REFLECTED IN THE DIETS OF COMMON  
CARP (CYPRINUS CARPIO) FROM SWAN LAKE, CALHOUN  
COUNTY, ILLINOIS. Thomas Timmerman, Chad R. Dolan, John H.  
Chick

8:50 – 9:10 AM A COMPARISON OF FISH COLLECTIONS USING RANDOM  
AND FIXED SITE SAMPLING DESIGNS ON THE ILLINOIS  
RIVER. Michael A. McClelland and Thad R. Cook

9:10 – 9:50 AM HARVEST OF SHOVELNOSE STURGEON INFLUENCES YEAR  
CLASS STRENGTH AND ADULT ABUNDANCE: ARE WE  
MOVING TOWARDS COLLAPSE? Robert E. Colombo, James E.  
Garvey, David P. Herzog, Robert A. Hrabik, and Neal D. Jackson

9:50 – 10:20 AM MIDDLE AND HIGH SCHOOL STUDENT POSTERS/BREAK

**SESSION VI - FISH cont.** (Moderator: Kevin Irons)

10:20 – 10:40 AM PALLID STURGEON MOVEMENT IN THE MIDDLE MISSISSIPPI  
RIVER. Brian Koch, Ron Brooks, Jim Garvey, Dave Herzog, and Bob  
Hrabik

10:40 – 11:00 AM ASIAN CARP IN THE ILLINOIS RIVER. Kevin S. Irons, John P.  
Wisher, T. Matthew O'Hara, Michael A. McClelland, and Thad R.  
Cook

11:00 – 12:00 PM BUSINESS MEETING

12:00 – 1:30 PM LUNCH AND RAFFLE

**POSTER PRESENTATIONS**

THE MIDWEST DRIFTLESS AREA RESTORATION EFFORT- A NATIONAL FISH  
HABITAT INITIATIVE PARTNERSHIP. Louise Mauldin

FISH, MACROINVERTEBRATES, HABITAT AND WATER QUALITY IN THE  
CATFISH CREEK (DUBUQUE COUNTY, IOWA) WATERSHED. Matthew McDermott,  
Daniel Call, Benjamin Breitbach, Andrew McDonnell, and Ezra O'Heron

ACKERMAN CREEK WATERSHED ASSESSMENT: FISH ASSEMBLAGES OF  
THREE ILLINOIS RIVER TRIBUTARIES. Nerissa N. Michaels, Thad R. Cook and  
Michael A. McClelland

PROGRESSION OF A FISH COMMUNITY AT SPUNKY BOTTOMS PRESERVE.  
Melissa L. Smith, Mike A. McClelland, T. Matthew O'Hara, Kevin S. Irons, Thad R.  
Cook, Mike A. Smith

INVESTIGATION OF ASIAN CARP COMPETITION WITH TWO NATIVE FISHES:  
BIGMOUTH BUFFALO AND GIZZARD SHAD. John P. Wisher, Kevin S. Irons, T.  
Matthew O'Hara, Michael A. McClelland, and Thad R. Cook

SPATIAL AND TEMPORAL TRENDS OF BENTHIC MICROALGAE AND  
PHYTOPLANKTON IN THE UPPER MISSISSIPPI RIVER. Briana L. Flattum and  
Michael D. Delong

RESPONSE OF DETRITAL TRANSPORTED ORGANIC MATTER TO TEMPORAL  
AND SPATIAL CONDITIONS IN THE UPPER MISSISSIPPI RIVER. Danh C. Voong  
and Michael D. Delong

COMMUNITY METABOLISM IN A LARGE FLOODPLAIN RIVER: HABITAT  
COMPARISONS OVER TIME. Jackie L. Scherle and Michael D. Delong

DISSOLVED ORGANIC CARBON AND TOTAL NITROGEN CONCENTRATIONS  
UNDER DIFFERENT SPATIAL AND TEMPORAL CONDITIONS IN THE UPPER  
MISSISSIPPI RIVER. Danielle Quist and Michael Delong

EFFECTS OF AN EARLY SPRING FLOOD ON LANDSCAPE IN POOL 8, UPPER  
MISSISSIPPI RIVER. Scott D. Genson, Nelson, J.C., Tyser, R.W

HOW DOES LANDCOVER CLASSIFICATION SYSTEMS INFLUENCE LANDSCAPE  
METRICS? Audra R. DeVault, Nelson, J.C., Tyser, R.W

SECONDARY BENEFITS OF USFWS WETLAND MANAGEMENT: SEDIMENT AND  
NUTRIENT CAPTURE AND REMOVAL AT THE HALFWAY CREEK MARSH  
COMPLEX, HOLMEN, WISCONSIN. William Richardson, Joe Schubauer-Berigan, Peter  
Hughes, Lynn Bartsch, Jennifer Cavanaugh, and James Nissen

PRELIMINARY ASSESSMENT OF THE VEGETATION RESPONSE TO THE 2006  
WATER LEVEL DRAWDOWN OF UMR NAVIGATION POOL 5. Kevin P. Kenow,  
James T. Rogala, and Larry R. Robinson

STUDY OF INORGANIC POLLUTANTS MOBILITY FROM CATFISH CREEK  
WATERSHED INTO THE MISSISSIPPI RIVER. Andrew McDonnell, and Chulsung Kim

RS CORWIN AT THE US BUREAU OF FISHERIES & MILWAUKEE PUBLIC  
MUSEUM. Joan P. Jass

SPATIAL AND TEMPORAL CHANGES IN PHYTOPLANKTON QUALITY IN A  
LARGE FLOODPLAIN RIVER. Fareeda Taher Nazer Hussain and Michael D. Delong

VARIATION IN PHYTOPLANKTON COMPOSITION WITHIN LARGER RIVERS: A  
STABLE ISOTOPIC APPROACH. Anita J. Kumar and Michael D. Delong

A SUMMARIZATION OF TURTLE DATA COLLECTED USING LTRMP FISH  
SAMPLING METHODS. Matt Stroub and Matt O'Hara, Kevin Irons

A CONTINUED ASSESSMENT OF A TURTLE COMMUNITY IN THE CEDAR  
RIVER, IOWA. Andrew J. Huck and Gerald L. Zuercher.

A VOLUNTARY PROGRAM TO CURTAIL BOAT DISTURBANCE TO MIGRATING  
WATERFOWL ON THE UPPER MISSISSIPPI RIVER. Kevin P. Kenow and James M.  
Nissen